I dereby certify that this paper (along with any paper referred to as being attached enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to:

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TTW

Docket No.: 341148021US

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Wright et al.

Application No.: 10/750,165

Confirmation No.: 5006

Filed: December 31, 2003

Art Unit: 2612

For:

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LOCALIZATION SENSING SYSTEM AND TUNABLE TO MARKER FREQUENCY

Examiner: Not Yet Assigned

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Applicant submits herewith copies of foreign patents and non-patent literature in accordance with 37 CFR 1.98(a)(2).

Application No.: 10/750,165 Docket No.: 341148021US

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information that may be material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0665, under Order No. 341148021US.

Datad:

Respectfully submitte

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PTO/SB/08a/b (07-06)

Approved for use through 09/30/2006. OMB 0651-0031

10/750,165-Conf. #5006

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341148021US

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Application Number

Attorney Docket Number

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Substitute for form 1449A/B/PTO

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December 31, 2003 Filing Date First Named Inventor J. Nelson Wright 2612 Art Unit

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Not Yet Assigned **Examiner Name**

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U.S. PATENT DOCUMENTS Pages, Columns, Lines, Where **Document Number** Cite Publication Date Name of Patentee or Examiner Relevant Passages or Relevant MM-DD-YYYY Initials* Number-Kind Code² (if known) Applicant of Cited Document Figures Appear 10/416.827 Krag [Filed 11/17/00] US-2003/0052785 03-20-2003 Gisselberg 05-08-2003 Owens et al. US-2003/0088178 10-16-2003 Krag US-2003/0192557-A1 07-08-2004 | Mate et al. US-2004/0133101 US-2004/0138555 07-15-2004 Krag US-2004/0158146 08-12-2004 Mate et al. US-2005/0195084 09-08-2005 Dimmer US-2005/0059884 03-17-2005 Krag US-2005/0261570 11-24-2005 | Mate et al. US-3,967,161 06-29-1976 Lichtblau US-4,023,167 05-10-1977 Wahlstrom US-4,114,601 09-19-1978 Abels US-4,123,749 10-31-1978 | Hartmann et al. 11-28-1978 Bullara US-4,127,110 US-4,160,971 07-10-1979 Jones et al. US-4,222,374 09-16-1980 | Sampson et al. US-4,260,990 04-07-1981 Lichtblau US-4,393,872 07-19-1983 | Reznik et al. US-4,618,822 10-21-1986 Hansen US-4,633,250 12-30-1986 Anderson US-4,643,196 02-17-1987 Tanaka et al US-4,696,287 09-29-1987 Hortmann et al. US-4,795,995 01-03-1989 Eccleston US-4,799,495 01-24-1989 | Hawkins 03-20-1990 | Taguchi et al. US-4,909,789 US-4,936,823 06-26-1990 Colvin et al. US-4,994,079 02-19-1991 Genese US-5,031,634 07-16-1991 simon US-5,062,847 11-05-1991 | Barnes US-5,095,224 03-10-1992 Renger US-5,099,845 03-31-1992 | Besz et al. US-5,107,862 04-28-1992 | Fabian et al. 08-25-1992 | Chang US-5,142,292 US-5,170,055 12-08-1992 | Carroll et al. US-5,353,804 10-11-1994 | Kornberg et al. US-5,409,004 04-25-1995 | Sloan US-5,423,334 06-13-1995 Jordan US-5,425,367 06-20-1995 Shapiro US-5,425,382 06-20-1995 | Golden et al.

| | | | |
|-----------|------|------------|------|
| Examiner | | Date | |
| Signature | | Considered | |

PTO/SB/08a/b (07-06)

Approved for use through 09/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| Sub | Substitute for form 1449A/B/PTO | | | Complete if Known | | |
|-------|---------------------------------|---------|------------|------------------------|------------------------|--|
| | | | | Application Number | 10/750,165-Conf. #5006 | |
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| l s | TATEMENT E | 3Y / | APPLICANT | First Named Inventor | J. Nelson Wright | |
| | | | | Art Unit | 2612 | |
| | (Use as many sh | eets as | necessary) | Examiner Name | Not Yet Assigned | |
| Sheet | 2 | of | 3 | Attorney Docket Number | 341148021US | |

| US-5,509,900 | 04-23-1996 | Kirkman | |
|--------------|------------|---------------------------------|---|
| US-5,528,651 | 06-18-1996 | Leksell | |
| US-5,638,819 | 06-17-1997 | Manwaring et al. | |
| US-5,680,106 | 10-21-1997 | Schrott | |
| US-5,697,384 | 12-16-1997 | Miyawaki et al. | |
| US-5,707,362 | 01-13-1998 | Yoon | |
| US-5,707,390 | 01-13-1998 | | |
| US-5,735,795 | | Young et al. | |
| US-5,764,052 | 06-09-1998 | Renger | |
| US-5,769,861 | 06-23-1998 | Vilsmeier | |
| US-5,810,851 | 09-22-1998 | Yoon | |
| US-5,815,076 | 09-29-1998 | Herring | |
| US-5,840,148 | 11-24-1998 | Campbell | |
| US-5,868,673 | 02-09-1999 | Vesely | |
| US-5,879,297 | 03-09-1999 | Haynor et al. | |
| US-5,910,144 | 06-08-1999 | Hayashi | |
| US-5,928,137 | 07-27-1999 | Green et al. | |
| US-5,951,481 | 09-14-1999 | Evans | |
| US-5,989,265 | 11-23-1999 | Bouquet De La Joliniere, et al. | |
| US-6,026,818 | 02-22-2000 | Blair | |
| US-6,059,734 | 05-09-2000 | | |
| US-6,061,644 | 05-09-2000 | | |
| US-6,067,465 | 05-23-2000 | Foo | |
| US-6,076,008 | 06-13-2000 | Bucholz | |
| US-6,081,238 | 06-27-2000 | Alicot et al. | |
| US-6,082,366 | 07-04-2000 | Andra e al. | |
| US-6,198,963 | 03-06-2001 | Haim et al. | • |
| US-6,246,900 | 06-12-2001 | Cosman et al. | |
| US-6,307,473 | 10-23-2001 | Zampini et al. | |
| US-6,363,940 | 04-02-2002 | | |
| US-6,371,379 | 04-16-2002 | | |
| US-6,416,520 | | Kynast et al. | |
| US-6,675,810 | 01-31-2002 | | |
| US-6,698,433 | 10-03-2002 | Krag | |
| US-6,838,990 | 01-04-2005 | | |
| US-6,918,919 | 08-30-2001 | Krag | |

| | FOREI | GN PATENT | DOCUMENTS | | |
|--------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|----|
| Examiner Initials* | Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T⁵ |
| | DE-19914455 | 10-26-2000 | Siemens AG | | |
| | EP-0531081 A1 | 03-10-1993 | General Electric Company | | |
| | FR-2635259 | 02-16-1990 | Marthan, Erick | | |
| | FR-2686499 | 07-30-1993 | Technomed International | | |

| Examiner | · | Date | |
|--------------|---|-------------|--|
| LXGIIIIIO | | Date | |
| Signature | | Considered | |
| Signature, [| | Colloideled | |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| Cub | Substitute for form 1449A/B/PTO | | Complete if Known | | |
|-------|-----------------------------------------|-----------|-------------------|------------------------|------------------------|
| Sub | stitute for form 144370 b | /F10 | | Application Number | 10/750,165-Conf. #5006 |
| IN | IFORMATIC | ON DIS | SCLOSURE | Filing Date | December 31, 2003 |
| | •• •• • • • • • • • • • • • • • • • • • | | PPLICANT | First Named Inventor | J. Nelson Wright |
| | ., ., . | | | Art Unit | 2612 |
| | (Use as many | sheets as | necessary) | Examiner Name | Not Yet Assigned |
| Sheet | 3 | of | 3 | Attorney Docket Number | 341148021US |

| JP-8-166446 | | Kubota Corporation | |
|------------------|------------|--------------------------------------------|--|
| WO-95/25475 | 09-28-1995 | Elekta Instrument AB | |
| WO-97/12553 | | Changus | |
| WO-98/30166 | 07-16-1998 | Fabian et al. | |
| WO-98/38908 | 09-11-1998 | Schneider Medical Technologies, Inc. | |
| WO-98/40026A | 09-17-1998 | Sonometrics Corporation | |
| WO-99/30182 | 06-17-1999 | Northern Digital Incorporated | |
| WO-99/33406 | 07-08-1999 | Surgical Navigation Technologies, Inc. | |
| WO-99/40869 | 08-19-1999 | The University of Iowa Research Foundation | |
| WO-99/58044 | 11-18-1999 | Yoon | |
| WO-99/58065 | 11-18-1999 | Krag | |
| WO-00/38579 | 07-06-2000 | Vivant Medical, Inc. | |
| WO-00/51514 | 09-08-2000 | Lucent Medical Systems, Inc. | |
| WO-00/53115 | 09-14-2000 | Rohwedder Visotech GMBH | |
| WO-00/65989A | 11-09-2000 | Biotrack, Inc. | |
| WO-02/39917 | 05-23-2002 | | |
| WO-02/39918 | 05-23-2002 | Calypso Medical Inc. | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Standard ST.3). For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Along the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

| | NON PATENT LITERATURE DOCUMENTS | | | | | |
|----------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--|--|--|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² | | | |
| | | Hsiao, Kai-yuh, "Fast Multi-Axis Tracking of Magnetically-Resonant Passive Tags: Methods and Applications, Massachusetts Institute of Technology, Dept. of Electrical Engineering and Computer Science, February 2001, 107 pages. | | | | |
| | | Seiler et al., "A novel tracking technique for the continuous precise measurement of tumour positions in conformal radiotherapy," Phys. Med. Biol. 45, 2000, N103-N110, 2000 IOP Publishing Ltd. | | | | |

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| Examiner | Date | l |
|-----------|------------|---|
| Signature | Considered | |
| | | |

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.